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Patent  
Attorney's Docket No. 028723-061

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

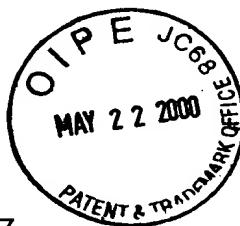
In re Patent Application of

Joe W. GRAY et al

Application No.: 08/478,387

Filed: June 7, 1995

For: CHROMOSOME-SPECIFIC STAINING  
TO DETECT GENETIC  
REARRANGEMENTS ASSOCIATED  
WITH CHROMOSOME 3 AND/OR  
CHROMOSOME 17 (as amended)



Group Art Unit: 1655

Examiner: A. Marschel

**REPLY AND AMENDMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In complete response to the Official Action dated November 22, 1999, please amend the above-cited application as follows:

**IN THE CLAIMS**

1. (Four Times Amended) A method of staining targeted chromosomal material based upon nucleic acid segment employing a unique sequence high complexity nucleic acid probe of greater than about 50,000 bases, wherein said targeted chromosomal material is a genetic rearrangement associated with chromosome 3 and/or chromosome 17 in humans, said method comprising

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